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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Justin Eliot Busch et al.

Serial No.: 09/697,676

Filed: Oct. 27, 2000

For: Ontology-Based Parser for Natural Language Processing

Atty. Docket No.: 000479.00007

Group Art Unit: 2641

Examiner: TBD

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Pursuant to their duty of good faith and candor as set forth in 37 C.F.R. §§ 1.56(a), 1.97 and 1.98 *et seq.*, Applicants submit herewith various documents cited on the attached Form PTO 1449. Applicants respectfully request that the Examiner consider and enter all the documents cited on the enclosed Form PTO 1449 into the file of the above-identified application. Applicants also request an indication of the same by return of the Form PTO 1449 being initialed and dated by the Examiner.

Attached is a copy of the International Search Report, which issued for PCT/US01/18836 on July 20, 2001, for a corresponding PCT application. The references cited on the International Search Report were noted: U.S. Patent Nos.: 6,055,531; 6,049,799; 5,933,822; 6,026,388; and 6,076,051.

Information Disclosure Statement

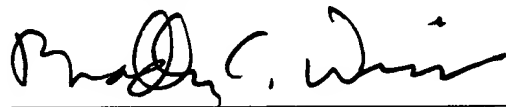
09/697,676

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Applicants have not yet received a first office action on the merits. Applicants believe that pursuant to 37 C.F.R. § 1.97(b)(3) no fee is due. If, however, a fee is due please charge the fee of \$180.00 as required by 37 C.F.R. § 1.17(p) to Deposit Account No. 19-0733. No additional fees are believed due to ensure consideration of the attached documents by the Examiner. However, if any additional fees are required or an overpayment of fees made, the Commissioner is hereby authorized to debit or credit our Deposit Account No. 19-0733, as necessary.

Respectfully submitted,



Bradley C. Wright

Reg. No. 38,061

Dated: May 16, 2003

Banner & Witcoff, Ltd.

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/697,676
	Filing Date	October 27, 2000
	First Named Inventor	Justin E. BUSCH et al
	Group Art Unit	2641
	Examiner Name	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	000479.00007

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ENCLOSURES (check all that apply)			
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<table border="1"><tr><td>Remarks</td></tr></table>			Remarks
Remarks			

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Bradley C. Wright, Reg. No. 38,061
Signature	
Date	May 16, 2003

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* Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	09/697,676
Filing Date	10/27/2000
First Named Inventor	Justin Eliot Busch
Group Art Unit	2641
Examiner Name	TBD
Attorney Docket Number	000479.00007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,418,948	05/23/1995	Turtle	
		US- 4,270,182	05/26/1981	Asija	
		US- 6,055,531	04/25/2000	Bennett et al.	
		US- 6,049,799	04/11/2000	Mangat et al.	
		US- 6,026,388	02/15/2000	Liddy et al.	
		US- 6,076,051	06/13/2000	Messery et al.	
		US- 6,233,575	05/15/2001	Agrawal et al.	
		US- 5,331,556	07/19/1994	Black, Jr. et al.	
		US- 6,021,387	02/01/2000	Mozer et al.	
		US- 5,790,754	08/04/1998	Mozer et al.	
		US- 6,038,560	03/14/2000	Wical	
		US- 5,237,502	08/17/1993	White et al.	
		US- 5,761,389	06/02/1998	Maeda et al.	
		US- 5,687,384	11/11/1997	Nagase	
		US- 5,475,588	12/12/1995	Schabes et al.	
		US- 5,386,556	01/31/1995	Hedin et al.	
		US- 5,146,406	09/08/1992	Jensen	
		US 4,864,502	09/05/1989	Kucera et al.	
		US 4,887,212	12/12/1989	Zamora et al.	
		US 4,914,590	04/03/1990	Loatman et al.	
		US 5,101,349	03/31/1992	Tokuume et al.	
		US 5,721,938	02/24/1998	Stuckey	
		US 5,960,384	09/28/1999	Brash	
		US 4,984,178	01/08/1991	Hemphill et al.	
		US 2002/0143755 A1	10/03/2002	Wynblatt et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

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Sheet 2 of 3

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First Named Inventor	Justin Eliot Busch
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Examiner Name	TBD
Attorney Docket Number	000479.00007

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Dunja Mladinic, Turning Yahoo into an Automatic Web Page Classifier, ECAI 98:13 th European Conference on Artificial Intelligence, Brighton, UK, 8/23 to 8/28, 1998, pgs. 473-474, John Wiley & Sons, Ltd.	
		Tom M. Mitchell, "Machine Learning", WCB/McGraw-Hill 1997.	
		Choon Yang Quek, "Classification of World Wide Web Documents", Senior Honors Thesis, CMU.	
		Bresnan, Joan (ed.). 1982. The Mental Representation of Grammatical Relations. Cambridge, MA: MIT Press.	
		Charniak, Eugene. 1993. Statistical Language Learning. Cambridge, MA: MIT Press.	
		Domingos, Pedro and Michael Pazzani. 1997. "On the Optimality of the Simple Bayesian Classifier Under Zero-One Loss." Machine Learning 29:103-130.	
		Duda, Richard and Peter Hart. 1973. Pattern Classification and Scene Analysis. New York, NY: Wiley.	
		Gold, Mark. 1967. "Language Identification in the Limit." Information and Control 10:447-474.	
		Horning, James. 1969. A Study of Grammatical Inference. Ph.D. thesis, Stanford.	
		Magerman, David and Mitchell Marcus. 1991. "Pearl: A Probabilistic Chart Parser." Proceedings of the 2 nd International Workshop for Parsing Technologies.	

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		Application Number	09/697,676
		Filing Date	10/27/2000
		First Named Inventor	Justin Eliot Busch
		Group Art Unit	2641
		Examiner Name	TBD
		Attorney Docket Number	000479.00007

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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		Manning, Christopher and Hinrich Schutze. 1999. Foundations of Statistical Natural Language Processing. Cambridge, MA: MIT Press.	
		McCallum, A., K. Nigam, S. Thrun, and T. Mitchell. 1998. "Learning to Classify Text from Labeled and Unlabeled Documents." Proceedings of the 1998 National Conference on Artificial Intelligence, July 1998.	
		McCallum, A., R. Rosenfeld., T. Mitchell and A. Ng. 1998. "Improving Text Classification by Shrinkage in a Hierarchy of Classes," Proceedings of the 1998 International Conference on Machine Learning.	
		Pollard, Carl and Ivan Sag. 1994. Head-Driven Phrase Structure Grammar. Chicago, IL: University of Chicago Press.	
		Dirk van Eylen, "Ranking of search results using AltaVista", http://ping4.ping.be/~ping0658/avrank.html	
		Avrim Blum, Tom Mitchell, "Combining Labeled and Unlabeled Data with Co-Training", Proceedings of the 1998 conference on Computational Learning Theory.	

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